

CITY OF MILFORD
SEWER COMMISSION REGULAR MEETING
October 25, 2023

The Sewer Commission of the City of Milford held a regular meeting on Wednesday, October 25, 2023, at 6 PM. This meeting was held by videoconference via Zoom.

The following Commissioners were in attendance:

Chairman Edmund Collier

Vice Chairman, Bradford Hubler

Commissioner Edward Abel

Commissioner Tara Carroll

Others in attendance:

Lindsay King, Wastewater

Robert Tedeschi, Sewer Consultant, Weston & Sampson

Beverly Hayes, Recording Secretary

Michelle Parente, Aldermen Liaison

Scott Marlow, Alderman Liaison

Commissioners and others not in attendance:

Commissioner Alexander J. Armstrong

Christopher Saley, Director of Public Works

Scott Marlow, Alderman Liaison

Chairman Collier called the meeting to order at 6:00 pm.

1. **CITIZEN'S COMMENTS** - None

Statements limited to the legislative function of the Sewer Commission. The time limit granted to each speaker shall be three (3) minutes. Residents, taxpayers, or electors may address the Commission.

2. **APPLICATIONS (PETITIONS)** - None

3. **TABLED APPLICATIONS (PETITIONS)** - None

4. **CONSULTING ENGINEER'S REPORT** – Weston & Sampson – Robert Tedeschi

On-Call Support Services

A. Sanitary Sewer Pump Station Upgrades #1 Various Locations:

1. This project consists of proposed improvements to the following wastewater pumping stations: Sailors Lane, Old Gate Lane, New Haven Ave., Watrous Lane, and Live Oaks
2. Contract Documents between the City and VMS Construction have been executed.
3. Pre-Construction meeting with VMS Construction was held on for July 20, 2023. Preliminary schedule indicates majority of work will occur in 2024.
4. 43 Shop Drawings have been processed to date. Construction anticipated in early 2024.

B. *Rogers Avenue Sanitary Pump Station Upgrade:*

1. Bids were received from the pre-qualified contractors on June 6, 2023. One (1) bid was received from Kovacs Construction Corp of Oxford, CT in the amount of \$3,444,900. The Project will be funded by City Bond funds (\$3,811,500). Two (2) Purchase Orders have been set up by the city to fund the project.
2. Sewer Commission awarded the project to Kovacs Construction. Weston and Sampson issued contract documents to Kovac for execution. Kovac is assembling the bonds and insurance certificates. Received documents from Kovacs forwarded same to the City Attorney for signature. Once processed, we will issue a Notice to Proceed, and schedule a preconstruction meeting.

C. *Housatonic WWTP Upgrades: Athletic Brewing Co.:*

1. Final design documents submitted to the City for review end of September. Received comments and developing construction documents for bidding.
2. Received approval from the CTDEEP to use Aluminum Chlorohydrate for enhanced solids removal. Received comments from CTDEEP requesting a response by 12/1/2023. Mr. Tedeschi will be meeting with Mr. Saley & Mr. King regarding Capital Improvement funding and applying for the grant provided by State. Chairman Collier added that he would like to see the process get started so we can get this done. Commission Abel offered his help with the plan.

D. *Collection System Flow Evaluation:*

1. Report submitted on January 24, 2022, which included a prioritized schedule for future Sanitary Sewer Evaluation Surveys (SSES) that would identify sources of Infiltration and Inflow (I/I) and other defects in the wastewater collection system.
2. The 180 day moving average daily flow at the Housatonic WWTP had previously exceeded 90% of the design flow rate requiring the City to develop a plan to accommodate future increases in flow to the plant. Met with CTDEEP on March 29, 2023 to discuss options for addressing the need to reduce infiltration and inflow to both treatment plants to reduce the 180 day moving average daily flow.
3. City is moving forward with CIPP lining of sewers within the Boston Post Road Area and plans to implement a prioritized SSES program.
4. Submitted proposal to the City to develop a bid package, for use by the City, to solicit competitive bids from Contractors qualified to perform wastewater and stormwater collection system rehabilitation.
 - i. Action: Review and consider approval to authorize Weston & Sampson to develop bid package.

5. WASTEWATER REPORT – Lindsay King

Wastewater Treatment Plants

Both Wastewater Plants performed well in the month of September, producing a high-quality effluent. 178 million gallons were treated at the Housatonic Plant and 53 million gallons at the Beaver Brook Plant for a total of 231 million gallons. The Housatonic plants monthly average effluent nitrogen was 98 lbs./day (annual average for 2023 is 187 lbs./day and is under the 307 lb./day permit limit). The Beaverbrook Plants monthly average effluent nitrogen was 48 lbs./day (annual average for 2023 is 59 lbs./day and is under the permit limit of 94 lbs./day).

At the Housatonic Plant normal monthly maintenance was performed:

1. Cleared blockage in belt press polymer pump #3
2. Replaced valves and discharge pipe on sump pump in primary galley.
3. Replaced broken plant water valve in belt filter room.

At the Beaverbrook Plant normal monthly maintenance was performed:

1. Replaced leaking water valve on polymer machine.
2. Replaced leaking hydraulic lines on ultraviolet banks one and two.
3. Replaced two solid hydraulic lines on the belt press with flex lines.

Pump Stations

Scheduled maintenance was performed at the following pump stations: Flax Mill, Cricklewood, Grove and Wanda.

Other Duties Performed:

1. Ran generators on full load at Grove, Carriage, Old Gate, Rock, New Haven Ave, Welches Point, Adams, Old Field, Gulf Pond, Milford Point, Cricklewood, Flax Mill, Viscount, Crowley, Holly, Ford St., Zion Hill, Live Oaks, West Mayflower and Kinlock pump stations.
2. Cleared clogs at Rogers Avenue (2x), New Haven Avenue and Mathews Pump Stations
3. Replaced corroded pump guide rails on pump two at Wanda Pump Station
4. Power failure at Carriage Drive from loose connections behind electrical meter. Corrosion was also found inside the electrical meter and will need to be replaced.

There were 8 alarms at the pump stations:

- 2 for High Water
- 1 Force Main Valve Fail – Gulf Pond
- 4 for Power Outage
- 1 Check Valve Fail

Sewer Maintenance

Sewer Maintenance answered 3 complaints.

Sewer Maintenance crews performed scheduled maintenance at the following T-sites:

T-08, T-27, T-10, T-28, T-30, and T-51

There was a sewer excavation at the following location:

1255 Oronoque Road – Excavation to repair plant water hydrant.

Gulf Pond Pump Station – Excavate trench to connect power to new automatic gate.

Other duties performed were:

1. Raised manholes for milling and paving city streets.
2. Closed circuit television inspection of Anderson Avenue sewer shed for inflow and infiltration investigation.
3. Friday T-sites

A total of 13,680 ft. was jet flushed, 3,425 ft. televised, 1,720 ft. spy TV 'ed, 1,375 ft. hand rodded, 1,840 ft hydraulically root cut, 0 ft smoke tested, 985 ft root treated, and 0 ft. dye tested.

American Rescue Plan Act – Wastewater Pump Station Emergency Generators:

1. This ARPA funded project consists of replacing emergency generators at multiple wastewater pump stations.
2. \$1,504,000 is approved for this project.
3. Gulf Pond and West Avenue generators have gone out to bid and received a low bid of \$492,600.
4. The new generator is being installed at West Ave Pump Station. A temporary backup generator is connected during construction. The Gulf Pond generator replacement will start after West Ave. is installed and tested. The project received a custom exhaust system.
5. A second bid was opened on March 8th for generators at Wanda, Post Road, White Oaks, Matthew, Anderson, Mayflower, Milford Point, and a portable generator. L. Holzner Electric Company has been selected as the low bidder for \$656,555.00. We are currently waiting on the long lead time for the generators; no delivery date has been set yet.

Adams Avenue Generator Replacement

1. The 60-kw generator and transfer switch will be replacing the existing failed generator.
2. The project has gone out to bid and received a low bid of \$49,735.
3. We currently have a soft delivery date of December for the generator (60-week lead time).
4. FEMA and insurance money have already been received.
5. FEMA requires the project to be completed by July 2024

6. INFLOW/INFILTRATION UPDATE

1. A Wet Weather SOP aimed at minimizing potential effluent violations triggered by high flow conditions at the plant has been submitted to DEEP.
2. Weston and Sampson previously completed a Flow Evaluation of all the Cities pump stations and identified the Post Road Pump Station service area as one of the subareas having a large amount of inflow and infiltration (I&I). We are using closed circuit television inspection to identify leaks and propose a pipe lining project to eliminate them. Specifications, mapping, closed circuit television inspection and associated reports have been submitted to purchasing to prepare a bid package. Additional engineering work may be needed to complete the process.
The Department of Energy and Environmental Protection is asking us to start an SSES study in the spring of 2024. The SSES work would qualify for a CTDEEP Clean Water Fund Grant (55% Grant 45% local share). Wastewater is currently working with the purchasing department to prepare a bid requesting qualifications for engineering services for this project.

7. **OLD BUSINESS** - None

8. **NEW BUSINESS** - None

9. **VOTING**

a.) Regular Meeting Minutes of September 27, 2023

Chairman Collier called for motion to approve the Regular Meeting minutes of September 27, 2023. Commissioner Hubler made a motion to approve with Commissioner Carroll seconding the motion. The motion was carried.

b.) Approval of Payments

Chairman Collier called for a motion to approve the payments in the amount of \$53,894.92. Commissioner Hubler made a motion to approve the payments in the amount of \$53,894.92 with Commissioner Carroll seconding the motion. The motion carried unanimously.

10. **CHAIRMAN'S REPORT**

a.) Administrative Approvals

Chairman Collier stated there were 7 Administrative Approvals through October 25, 2023.

Chairman Collier explained that case law has changed the way we approve applications. Applications are not based on allowed flow but on capacity of the piping, pump stations and the treatment plants. Regulations are more advisory as long as we have capacity. He added the Sewer Commission may have to prepare a resolution to address applications as we do not want to discourage applications for businesses to come to Milford. We will need to address capacity at some point.

11. **ADJOURN**

Chairman Collier called for a motion to adjourn at 6:27 p.m. Commissioner Hubler made a motion to adjourn with Commissioner Carroll seconding the motion. The motion carried unanimously.

Respectfully submitted,

Beverly A. Hayes, BS
Recording Secretary